U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

Paper No./Mail Date

of Biological Material

2. Notice of Draftperson's Patent Drawing Review (PTO-948)

4. 

Examiner's Comment Regarding Requirement for Deposit

3. Information Disclosure Statements (PTO/SB/08),

 Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_.
 ⊠ Examiner's Amendment/Comment

9. Other \_\_\_\_.

8. X Examiner's Statement of Reasons for Allowance

Application/Control Number: 10/766,514

Art Unit: 2816

## **Examiners Amendment**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Joe Makuch on 3/27/2007.

The application has been amended as follows:

## In the Claims

Claim 17, line 2, "exponentially" has been changed to --sub-exponentially--.

Claim 17, line 4, "exponentially" has been changed to --sub-exponentially--.

## **Reasons for Allowance**

2. The following is an examiner's statement of reasons for allowance:

Claims 12-36 are allowable over the prior art of record because the latter, either alone or in combination, does not disclose nor render obvious a "sub-exponential" current generator which may be deliberately softened either by choice of transistor types or geometry or by choice of bias currents or by the inclusion of degeneration resistors Rs, so as to result in an output that deviated from an ideal exponential function, as recited on page 19, line 12-18, in combination with the rest of the claimed limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ryan C. Jager whose telephone number is (571) 272-7016. The examiner can normally be reached on M-F 8 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan can be reached on (571) 272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

RCJ 3/27/2007

Kenneth B. Wells
Primary Examiner